Job Risk Analysis

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Name(s) of Risk Team Members: J. Maraviglia, P. Cirnigliaro, R. Karol, J. Searing				Point Value → Parameter ↓			1			2	3		4					5
Job Title: Emergency Response Drill; Spill with Injured Worker  Job Number or Job Identifier: JRA 14-06				Frequency (B)			<once td="" year<=""><td><pre><once month<="" pre=""></once></pre></td><td>≤once/week</td><td>&lt;-</td><td><once< td=""><td>/shift</td><td></td><td></td><td>&gt;one</td><td>ce/shift</td></once<></td></once>			<pre><once month<="" pre=""></once></pre>	≤once/week	<-	<once< td=""><td>/shift</td><td></td><td></td><td>&gt;one</td><td>ce/shift</td></once<>	/shift			>one	ce/shift
Job Description: Drill scenario is a 5-gallon container of ULTRA COOLANT (compressor coolant) is leaking onto the floor into a floor drain in building 912A. A worker sees this event and calls BNL Fire/Rescue. The worker then slips in the coolant that is on the floor and is injured.			Severit (C)	Severity (C)			First Aid Only			edical Treatment	Lost Time	Par	tial Di	isabil	ity	I		Permanent ability
Training and Procedures List (optional):  Approved by: E. Lessard  Date: 12-20-2005 Rev. #: 0			Likeliho (D)	od	Extremely Unlikel					Unlikely	Possible	Probable			Multiple			
Stressors (if applicable,	please list all):	Reaso	on for Revision	(if ap	plicab	le):					Comments:							
		Before Additional Controls									Aft	er Ac	ldition	nal Co	ntrols			
Job Step / Task	Hazard	Control(s)		Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Ac	ol(s) Added to Reduce Risk		# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction
Manually loading or unloading a truck	Falls on same level	Manual lifting weight limits, proper maintenance of road and work surfaces, PP lift gate trucks as required, training		N	1	3	3	3	27			Stressors						
Manually loading or unloading a truck	Bodily reaction – injuries resulting from bending, climbing, loss of balance and slipping without falling	Manual lifting weight limits, proposition maintenance of road and work sur lift gate trucks as required, training	er faces, PPE,	N	1	3	3	3	27									
Manually loading or unloading a truck	Falls from height	Manual lifting weight limits, proposition maintenance of road and work sur lift gate trucks as required, training	faces, PPE,	N	1	3	3	3	27									
Emergency forces response (Fire/Rescue, Dept Emergency Coordinator, Collider Accelerator Watch)	Highway accidents	Speed limits, warning sirens or lig pressure to rush (except for Fire/R Group), seat belts, training	shts, no	N	2	2	4	2	24									
Emergency scene response	Falls on same level	Slip resistant shoes, maintenance of parking area surfaces, training	of road and	N	2	2	3	3	36									
Emergency scene response	Falls from height	Proper approved ladders and fall r devices where needed, PPE, training		N	2	2	4	2	32									

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Emergency scene response	Bodily reaction – injuries resulting from donning PPE/SCBA	Qualified Fire/Rescue Group personnel, proper fitting PPE, training	N	2	2	3	3	36	
Spill response - stopping the spill (handling hazardous and industrial chemicals)	Inhalation, ingestion	Qualified Fire/Rescue Group personnel only; SBMS requirements to label containers (contents and hazards known); trained cleanup, environmental, security, rigging, chemical personnel available as required; SCBA PPE; spill containment equipment available; training; MSDS	N	1	2	3	3	18	
Spill response - cleanup (handling hazardous and industrial chemicals)	Inhalation, ingestion	Qualified Fire/Rescue Group and Plant Engineering personnel; PPE; spill containment equipment; cleanup only undertaken after chemical hazards are known and work planning is accomplished if necessary; procedures; MSDS; SBMS requirements to label containers (contents and hazards known); trained cleanup, environmental, security, rigging, chemical personnel available	N	1	2	3	3	18	
Spill response - cleanup (handling hazardous and industrial chemicals)	Bodily reaction - injuries resulting from bending, climbing, loss of balance and slipping without falling	Training, procedures, PPE, manual and powered lifting and digging equipment as required, MSDS, procedures, work planning	N	1	2	3	3	18	
EMT response to injured man	Falls on same level	Slip resistant shoes, proper maintenance of walking/working surfaces, PPE, training	N	1	2	3	3	18	
EMT response to injured man	Bodily reaction - injuries resulting from bending, climbing, loss of balance and slipping without falling	Manual lifting weight limits, proper maintenance of walking/working surfaces, lift gate trucks as required, PPE, training, fire/rescue procedures							
EMT response to injured man	Overexertion	Manual lifting weight limits, training, fire/ rescue procedures, more than one EMT involved in task (sharing the load), use of mechanical lifting equipment, frequent rest breaks	N	1	2	3	3	18	
EMT response to injured man	Highway accidents	Speed limits, warning sirens or lights, seat belts, CDL licensed drivers, fire/rescue training and procedures	N	2	2	4	2	24	
EMT response to injured man	Falls from height	Proper approved ladders and fall restraint devices where needed, PPE, training	N	1	2	4	3	24	

*Risk:	0 to 20	21 to 40	41-60	61 to 80	81 or greater
	Negligible	Acceptable	Moderate	Substantial	Intolerable